AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-13 (Canceled)

14. (Currently Amended) A method of optimising ~~the~~ a bandwidth usage on a Real-Time Protocol managed link transporting media between a User Equipment and a Media Resource Function of a cellular telecommunications network, the method comprising:

sampling, at one of the User Equipment and the Media Resource Function, ~~the~~ a rate of packet loss on the link;

applying a sliding window to the sampled values, and calculating an average or other statistically representative value across the window at one of the User Equipment and the Media Resource Function;

comparing the representative loss rate to a pre-defined acceptable loss rate at one of the User Equipment and the Media Resource Function;

if the representative loss rate exceeds the acceptable loss rate and if a pre-defined time period has elapsed since a sending rate over the link was last adapted, then decreasing the sending rate over the link at one of the User Equipment and the Media Resource Function;

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if the representative loss rate is less than the acceptable loss rate and if a pre-defined good performance time period has elapsed since the sending rate over the link was last adapted, then increasing the sending rate over the link at one of the User Equipment and the Media Resource Function; and

in the event that the pre-defined time period and the pre-defined good performance time period have not elapsed since the sending rate was last adapted, keeping the sending rate over the link unchanged~~adapting the sending rate over the link in dependence upon the sampled values~~.

15. (Previously Presented) A method according to claim 14, wherein the Media Resource Function handles media distribution for Push-to-talk over Cellular services.

Claims 16-19 (Canceled)

20. (Currently Amended) A method according to claim ~~19~~ 14, wherein the pre-defined good performance time period ~~which is~~ used to determine whether or not the sending rate may be increased is greater than ~~that~~ the pre-defined time period used to determine whether or not the sending rate may be decreased.

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21. (Previously Presented) A method according to claim 14, wherein the step of sampling is carried out at one or both of the User Equipment and the Media Resource Function.

22. (Currently Amended) A method according to claim 21, wherein the UE samples the rate of packet loss on the-a downlink, whilst the Media Resource Function samples the rate of packet loss on the-an uplink.

23. (Previously Presented) A method according to claim 14, wherein decisions to adapt the sending rate over the link are made at the Media Resource Function.

24. (Currently Amended) A method according to claim 14, wherein the UE samples the rate of packet loss on the-a downlink, whilst the Media Resource Function samples the rate of packet loss on the-an uplink, and decisions to adapt the sending rate over the link are made at the Media Resource Function, wherein the UE sends the sampled rate or an analysis of the rate to the Media Resource Function.

25. (Currently Amended) A Media Resource Function node for use in a cellular telecommunications network, the node handling media sent between

itself and user equipment over a Real-Time Protocol managed link, the <u>Media Resource Function</u> node comprising:

means for sampling ~~the~~ <u>a</u> rate of packet loss on the link and/or means for receiving a sampled rate of packet loss <u>on the link</u> from the UE;

<u>means for applying a sliding window to the sampled values and calculating an average or other statistically representative loss rate across the window;</u>

<u>means for comparing the representative loss rate to a pre-defined acceptable loss rate;</u>

<u>means for decreasing the sending rate if the representative loss rate exceeds the acceptable loss rate and if a pre-defined time period has elapsed since the sending rate over the link was last adapted; and</u>

<u>means for increasing the sending rate if the representative loss rate is less than the acceptable loss rate and if a pre-defined good performance time period has elapsed since the sending rate over the link was last adapted</u>~~means for initiating adaption of the bandwidth usage of the link in dependence upon the sample rate~~.

26. (Previously Presented) User Equipment for use in a cellular telecommunications network, the User Equipment communicating with a Media Resource Function handling media sent between the user equipment over a Real-Time Protocol managed link, the User Equipment comprising:

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means for sampling the rate of packet loss on the link; and

means for sending the sampled rate or an analysis of that rate to the Media Resource Function.

27. (New) A User Equipment according to claim 26, wherein the means for sending the analysis of the sampled rate comprises:

means for applying a sliding window to the sampled values and calculating an average or other statistically representative loss rate across the window;

means for comparing the representative loss rate to a pre-defined acceptable loss rate;

means for sending to the Media Resource Function an analysis of whether the representative loss rate exceeds the pre-defined acceptable loss rate and a pre-defined time period has elapsed since the sending rate over the link was last adapted; and

means for sending to the Media Resource Function an analysis of whether the representative loss rate is less than the pre-defined acceptable loss rate and a pre-defined good performance time period has elapsed since the sending rate over the link was last adapted.

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